
Product Data Sheet

Product Name: LSN2463359

Cat. No.: GC18309

Chemical Properties

Cas. No. 1401031-52-4

Chemical Name N-(1-methylethyl)-5-[2-(4-pyridinyl)ethynyl]-2-pyridinecarboxamide

SMILES O=C(NC(C)C)C(C=C1)=NC=C1C#CC2=CC=NC=C2Formula $C_{16}H_{15}N_3O$ M.Wt 265.3

Solubility DMF: 30 mg/mL, DMSO: 30 mg/mL, Ethanol: 30 mg/mL Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

LSN2463359 is a positive allosteric modulator of the metabotropic glutamate receptor 5 (mGluR5; EC50 = 24 nM). It is without effect at other mGluRs. LSN2463359 is brain penetrant and reverses learning deficits in a rat model of schizophrenia. Through its effects on mGluR5, LSN2463359 attenuates deficits in performance in operant behavior induced by SDZ-220581, an NMDA receptor antagonist, in rats. It also promotes wakefulness in animals.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA